# PK-96/100 Packet Modem



*Perfect for APRS/GPS & DX Packet Cluster*

**When what you need is speed, you need the PK-96.** Our PK-96 1200/9600 bps packet controller comes standard with 1200 bps AFSK tone signaling, as well as 9600 bps K9NG and G3RUH compatible direct frequency modulation, making it a truly high-performance data controller! The PK-96 not only makes an excellent terrestrial or satellite data controller, it also can be used for high-speed data links between packet systems.

**TheNet compatible.** Now network builders can add a 9600 bps port to their TheNet network with no hassles. Call Timewave direct to find out the details about the PK-96 TheNet software.

**Gateway as a Node.** The PK-96's Gateway firmware acts as a full service node. Up to three other users can digipeat or "node-hop" through your PK-96 while you communicate with another station. You can even restrict certain users from digipeating or "node-hopping" through your PK-96.

**Full-featured mail facilities.** In addition to the speed, the PK-96 comes standard with 128K RAM which offers 100K of battery-backed MailDrop memory. MailDrop allows you to automatically receive and reverse-forward messages and control third-party traffic.

**Extra commands add extra value, extra control.** In addition to our famous HOST mode, special commands not found in all data controllers are included in the PK-96.

**Other features include:**

- Hardware "true DCD" state machine for open squelch operation.
- Hardware HDLC ensures accurate protocol conversion at 9600 bps.
- Modem disconnect header for installing other modems.
- Separate 1200/9600 TX level controls on back panel.
- Identifies TCP/IP, NET/ROM, and TheNet stations.
- Special EXPERT disable option eases the learning process by limiting the command set.
- PK-Term for Windows compatible.
- Comprehensive manual which illustrates radio connections.
- Includes open-ended radio cable, power cable and RX audio cable.

If you're serious about packet radio, the PK-96 is the obvious choice. The PK-96 allows you to communicate on existing 1200 bps packet systems as well as with the new 9600 bps systems coming on line.

## A High Speed Packet Controller for VHF/UHF Radios

| Specifications for the PK-96 | |
|---|---|
| Demodulator | 1200/G3RUH and K9NG compatible 9600 |
| Modulator | Phase continuous AFSK 1200/9600 bps direct FSK |
| Modulator output level | 5 mV-1 V RMS rear panel adjustable |
| Processor system | Zilog Z180 |
| RAM | 128K standard |
| Hardware HDLC | Zilog Z8530 |
| Power requirements | +12 to +16 VDC @ 400 mA |
| **Input/Output Connections** | |
| Radio interface | 5-pin DIN connector |
| Terminal interface | RS-232C DB-25 connector with hardware/software handshake |
| Terminal data rates | Autobaud settings at 300, 600, 1200, 2400, 4800, 9600, and 19,200 bps |
| **Physical** | |
| Dimensions | 6.13" (156mm)W x 7.4" (188mm)D x 1.35" (34mm)H |
| Weight | 1.2 lbs (0.54 kg) |



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